ABSTRACT:

A intelligent sports and safety helmet designed for bicyclists, skateboarders, snowboarders, skiers, other sports enthusiast as well as industrial, military and security services that utilizes a helmets or head protection while performing an activity or duty. The helmet consists of a sports or safety helmet with a Microprocessor, a set of sensors and a software program residing within the microprocessor. In operation electronic sensors automatically detect if the user is wearing helmet and if environmental conditions warrant self-illumination. The microprocessor manages the state of the illuminating elements.